BTEC Assignment Brief

Qualification	Pearson BTEC International Level 3 Foundation Diploma in Agriculture Pearson BTEC International Level 3 Diploma in Agriculture Pearson BTEC International Level 3 Extended Diploma in Agriculture
Unit number and title	Unit 13: International Beef Production
Learning aim(s)	**B** Carry out diet management and feeding practices during the production cycle to maintain health and production targets **C** Carry out routine husbandry of beef cattle during the production cycle to meet current welfare and husbandry standards
Assignment title	**Beef Cattle nutrition and routine husbandry**
Assessor	
Issue date	
Hand in deadline	

Vocational Scenario or Context	You are working on a beef cattle farm as a supervisor and you have been asked to document the management, and routine husbandry processes, that are required over the year. Planning for the year is important as the to ensure good welfare and profitability planning is needed as part of getting a good return on the investment in the product.
Task 1	**A** Produce a nutritional and dietary feeding plan covering the full production cycle of beef cattle, in a named breed, for one production system. You plan must clearly show strategies for: • meeting nutritional requirements • a formulated ration for pregnant cows • feeding strategies; feeding and watering equipment • cleaning and maintenance of feeding and watering equipment • grazing management • weight gain and maintenance • identifying common nutritional problems. **B** Carry out feeding and diet management activities. You must keep a logbook that includes photographic evidence and observation records from your assessor, together with your review of the suitability of your approach, including recommendations for any changes or improvements. Provide a rationale for your views.

Checklist of evidence required	Nutritional planning document. Portfolio of evidence for feeding and diet management activities including: photographic evidence, observation records; review of practical activities completed.

Criteria covered by this task:	
Unit/Criteria reference	To achieve the criteria, you must show that you are able to:
B.D2	Demonstrate, with a high degree of accuracy, the feeding and grazing management of beef cattle to maintain health and production targets, evaluating the impact of nutrition and feeding and diet management tasks
B.M3	Analyse the impact that nutrition, diet management and feeding have on health and production targets.
B.M4	Demonstrate efficient diet and grazing management of beef cattle to maintain health and production targets.
B.P3	Explain the importance of diet management and feeding practices throughout the beef production cycle.
B.P4	Demonstrate competent diet and grazing management of beef cattle to maintain health and production targets.

Task 2	You will carry out correct routine management and husbandry during the beef cattle production cycle, and show evidence of the following activities in your logbook: • routine feeding and watering • preparation of housing and environment • cleaning and biosecurity • maintaining housing environment, including ventilation, temperature, lighting, basic litter management • routine checks of health and welfare • health checking using indicators of good health • record keeping, including veterinary medicines book, record of births and deaths, and husbandry records • routine calf husbandry • correct handling and restraint of adults and calves • preparations for pre-calving and calving • care of the new-born calf, or young stock. You should produce written justifications for the practical activities completed, and highlight areas of good practices and areas that need development.
Checklist of evidence required	Portfolio of evidence, practical activities logbook, observation records, written reports in logbook.

Criteria covered by this task:	
Unit/Criteria reference	To achieve the criteria, you must show that you are able to:
C.D3	Demonstrate, with a high degree of accuracy, routine husbandry of beef cattle to maintain health and production objectives and meet requirements for care of young stock.
C.M5	Demonstrate efficient routine husbandry of beef cattle to maintain health and production targets and meet requirements for care of young stock.
C.P5	Demonstrate competent routine husbandry of beef cattle to meet health and production targets.
C.P6	Demonstrate competent routine husbandry tasks required for care of young stock
Sources of information to support you with this Assignment	**Books** Bazeley. K, Hayton, A. (2007) Practical Cattle Farming. Marlborough: The Crowood Press Ltd. Herring, A. (2014). Beef Cattle Production Systems (Modular Texts. London: CABI Publishing. Grandin. T (2008). Humane Livestock Handling. Massachusetts: Storey Publishing LLC **Journals/Magazines** beefmagazine.com academic.oup.com/jas sciencedirect.com **Website** World Animal Health Organisation (OIE) oie.int/ grandin.com/references/abdlps.html